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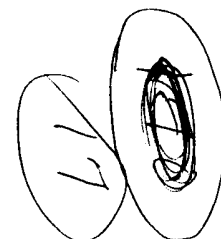
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NPIC/IEG/SM&SD

16 NOVEMBER 1984

**PROBABLE SPACE SHUTTLE SUPPORT FACILITIES
TYURATAM MISSILE AND SPACE TEST CENTER SSM (SWN)
USSR**

1. SIGNIFICANCE: EIGHT PROBABLE INSTRUMENTATION/TRACKING SITES ARE UNDER CONSTRUCTION AT TYURATAM MISSILE AND SPACE TEST CENTER, AND ARE PROBABLY ASSOCIATED WITH THE SOVIET SPACE SHUTTLE PROGRAM. (SWN)
2. REMARKS: THE SITES ARE ARRANGED IN A BUTTERFLY-SHAPED PATTERN CENTERED ON THE RUNWAY OF TYURATAM AIRFIELD 3 [REDACTED], 25X1 AND VARY IN DISTANCE FROM 9 TO 32 NM FROM THE AIRFIELD REFERENCE POINT (RP), AT THE CENTER OF THE RUNWAY (GRAPHIC 1). ONE SITE IS IN LINE WITH EACH END OF THE RUNWAY, AND THE OTHER SIX SITES ARE DIVIDED EQUALLY INTO TWO GROUPS THAT BRACKET THE RUNWAY. AIRFIELD 3 IS THOUGHT TO BE THE PRIME LANDING RUNWAY FOR THE SOVIET SPACE SHUTTLE. (SWN)

THE SITES HAVE BEEN UNDER CONSTRUCTION SINCE AUGUST 1983 AND CURRENTLY ARE IN THE MID-TO-LATE STAGES OF CONSTRUCTION. THERE ARE TWO DISTINCT TYPES OF SITES BEING CONSTRUCTED. SIX OF THE SITES CONSIST OF A CONTROL AREA AND AN OPERATIONS AREA THAT ARE CONNECTED BY BURIED CABLE LINES. THE CONTROL AREA INCLUDES A RECTANGULAR CONTROL BUILDING, A PROBABLE INSTRUMENTATION TOWER, A CONCRETE HELIPAD, AND ONE OR TWO LARGE SQUARE CONCRETE APRONS. THE OPERATIONS AREA, GENERALLY ABOUT 500 METERS AWAY FROM THE CONTROL AREA, CONSISTS OF TWO RECTANGULAR CONCRETE APRONS WITH CONDUIT EXTENSIONS. GRAPHIC 2. TYURATAM PROBABLE INSTRUMENTATION TRACKING SITE 1 [REDACTED], SHOWS THE 25X1 LAYOUT OF THIS TYPE OF SITE. THE OTHER TWO SITES EACH HAVE A CONTROL AREA, THAT INCLUDES A RECTANGULAR CONTROL BUILDING, TWO SQUARE CONCRETE APRONS, AND A COLLOCATED CONCRETE HELIPAD. THEY DO NOT HAVE A SEPARATE OPERATIONS AREA. THESE TWO SITES, 5 AND 7, ARE PERPENDICULAR TO THE RP OF THE RUNWAY. IN ADDITION, ALL EIGHT SITES ARE CONNECTED BY BURIED CABLE TO THE RANGEHEAD CABLE NETWORK. (SWN)

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered valid only for the reporting period as indicated by the date of issue.

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THE SPECIFIC LOCATION AND ORIENTATION FROM AIRFIELD 3 FOR EACH SITE IS LISTED BELOW:

<u>SITE #</u>	<u>BE Number</u>	<u>LAT</u>	<u>LON</u>	<u>Distance</u>	<u>Azimuth</u>
1		455840N	0630203E	9.78 NM	
2		463251N	0633155E	32.31 NM	
3		460728N	0633044E	12.05 NM	
4		455136N	0635355E	29.55 NM	
5		462357N	0625627E	24.65 NM	
6		461348N	0623602E	29.07 NM	
7		454251N	0632940E	22.57 NM	
8		412350N	0630421E	22.90 NM	

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ANALYST'S COMMENTS -- THE TIMING OF CONSTRUCTION COUPLED WITH THE LOCATION AND AZIMUTH OF THESE SITES FROM AIRFIELD 3, SUGGESTS THAT THESE SITES WILL SUPPORT LANDINGS OF THE SOVIET SPACE SHUTTLE AT TYURATAM. HOWEVER, THE EXACT FUNCTION OF THESE SITES CANNOT BE DETERMINED AT THIS STAGE OF CONSTRUCTION. MOREOVER, THE NEW SITES DO NOT RESEMBLE ANY KNOWN SOVIET AIRCRAFT OR MISSILE TEST RANGE ELECTRONICS FACILITIES, NOR DO THEY RESEMBLE FACILITIES ASSOCIATED WITH THE U.S. SPACE SHUTTLE PROGRAM. (SWN)

3. COORDINATES 45-56-37N 063-27-55E (S)

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4. COLLATERAL REFERENCES: FTD IAB 84-002, TYURATAM AIRFIELD 3 - RELATED CONSTRUCTION ACTIVITY, (SW), 2 MARCH 1984 (SWN)

5.

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